

## The laboratory of Neural Development and Learning.

**Sun lab** studies mechanisms of postnatal development, memory formation and learning. The lab is currently focusing on:

- synaptic plasticity;
- neocortical microcircuits;
- autisms and epilepsy.

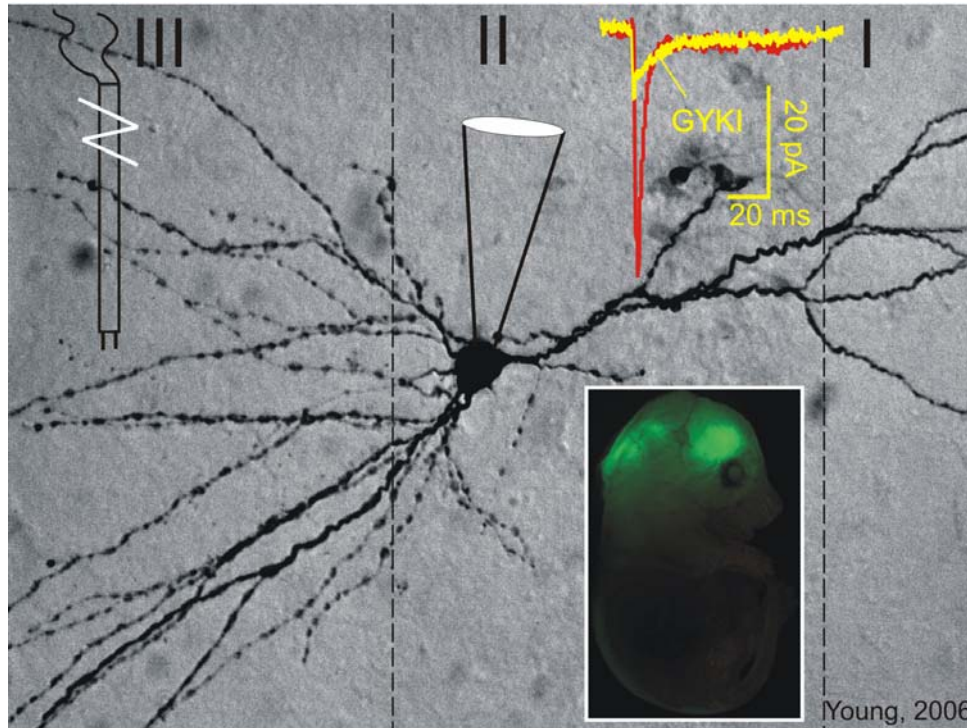


Photo micrograph of a pyramidal neuron in the olfactory cortex labeled with tracer biocytin. Patch-clamp recording of evoked glutamatergic synaptic currents (red) and application of selective ionotropic receptor antagonist GYKI which selectively blocks AMPA-receptor mediated currents (yellow). Inset: GAD65-GFP mouse is used to selectively record from subsets of GABAergic interneurons. Photo is contributed by the Sun lab. [Http://www.uwo.edu/neuron/sunlab.htm](http://www.uwo.edu/neuron/sunlab.htm).